

Fig. 2(b)

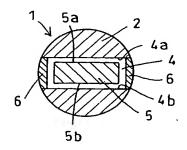


Fig. 3(a)

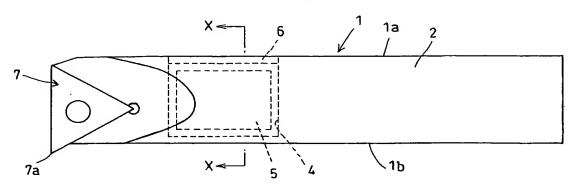


Fig. 3(b)

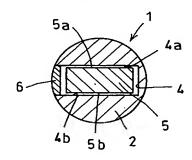


Fig.4(a)

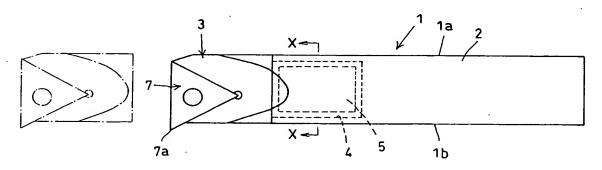


Fig.4(b)

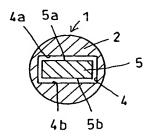


Fig. 5(a)

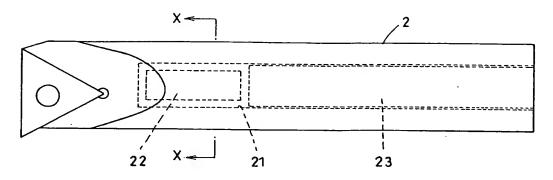


Fig.5(b)

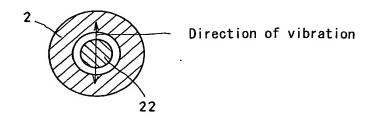


Fig.6(a)

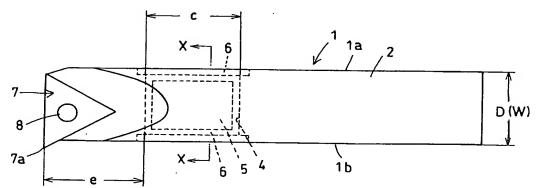
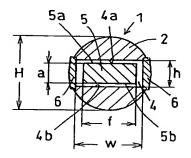
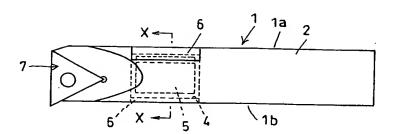


Fig.6(b)





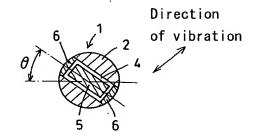
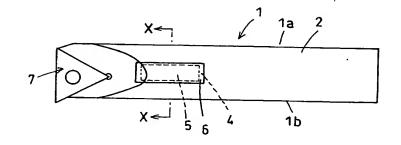


Fig. 8(a)

Fig.8(b)



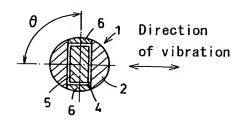


Fig. 9(a)

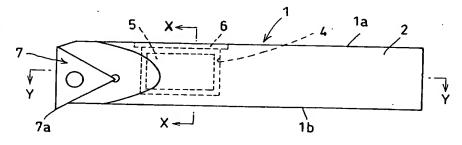


Fig. 9(b)

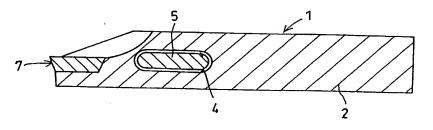


Fig. 9(c)

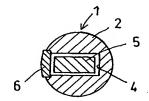


Fig. 10

	Α	В	С	D
X-X sectional shape	4	4 t	t 4	t 5
Amount of deflection based on 100 of steel shank	140	109	135	135

Fig.11

	Shape of	pocket				
	w (mm)	h (mm)	h-a (mm)	Material	Specific gravity	
Example 1 of the invention	8	3	0. 1	Cemented carbide	15. 1	
Example 2 of the invention	8	3	0. 05	Cemented carbide	15. 1	
Example 3 of the invention	8	3	0. 15	Heavy metal	18. 2	
Example 4 of the invention	8	3	0. 15	Steel	7. 8	
Example 5 of the invention	8	3	0. 3	Cemented carbide	15. 1	
Example 6 of the invention	8	3	0. 5	.5 Cemented carbide 15.1		
Comparative Example 1	4	3	0.15 Cemented carbide 15.1			
Comparative Example 2	8	3	0 Cemented carbide 15.1			
Comparative Example 3	8	3	1.5 Cemented carbide 15.1			
Comparative Example 4	Holder with steel shank					
Comparative Example 5	Holder with shank of cemented carbide					

Fig.12

Protrusion mm	4	18	6	60	7	2	8	14
Cutting speed m/min	80	160	80	160	80	160	80	160
Example 1 of the invention	0	0	0	0	0	0	0	0
Example 2 of the invention	0	0	0	0	0	×	×	×
Example 3 of the invention	0	0	0	0	0	0	0	0
Example 4 of the invention	0	0	0	0	0	×	×	×
Example 5 of the invention	0	0	0	0	0	0	0	0
Example 6 of the invention	0	0	0	0	0	0	×	×
Comparative Example 1	0	0	×	×	×	×	×	×
Comparative Example 2	0	0	×	×	×	×	×	×
Comparative Example 3	0	×	×	×	×	×	×	×
Comparative Example 4	0	0	×	×	×	×	×	×
Comparative Example 5	0	0	0	0	0	×	×	×

Fig.13

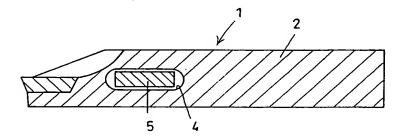


Fig. 14(a)

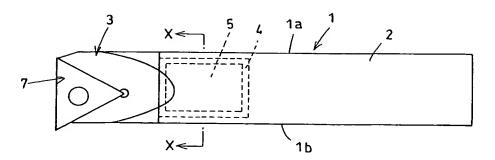


Fig. 14(b)

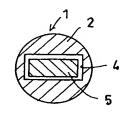


Fig. 15(a)

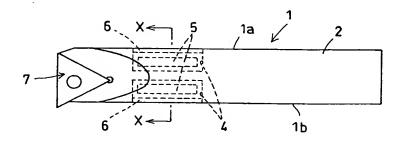


Fig. 15(b)

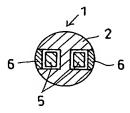


Fig.16

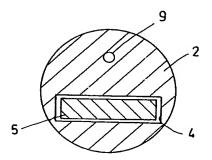


Fig. 17(a)

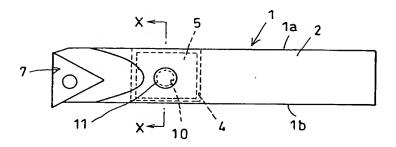


Fig. 17(b)

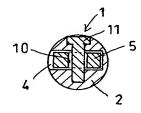


Fig. 18(a)

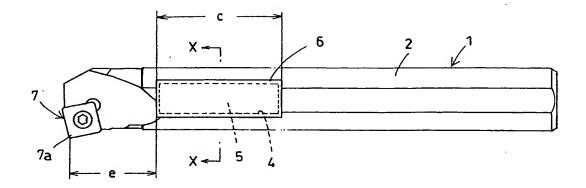


Fig. 18(b)

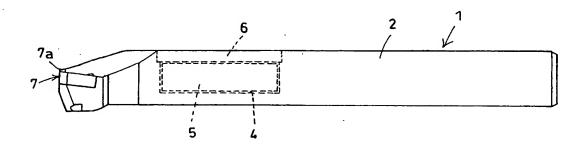


Fig. 18(c)

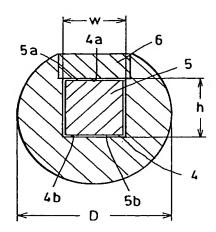


Fig. 19(a)

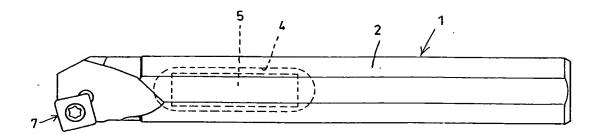


Fig. 19(b)

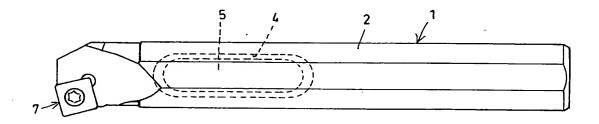


Fig. 19(c)

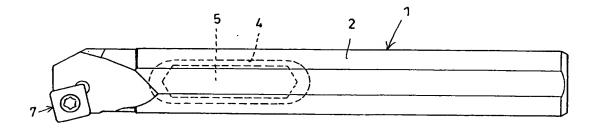
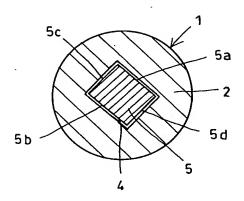


Fig.20(a)

Fig.20(b)



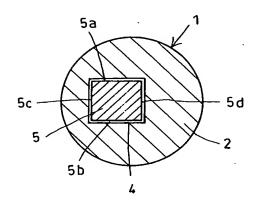


Fig.21

	Size of po	cket	Result of cutting		
	Width (mm)	Height (mm)	Cutting conditions 1	Cutting conditions 2	
Example 1 of the invention	5	5	0	0	
Example 2 of the invention	8	7	0	0	
Comparative Example 1	3	3	×	×	
Comparative Example 2	12	4	0	×	
Comparative Example 3	Stee	el shank	×	×	

Fig. 22(a)

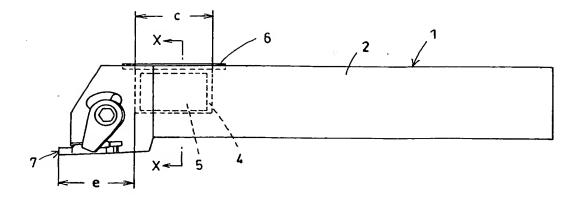


Fig. 22(b)

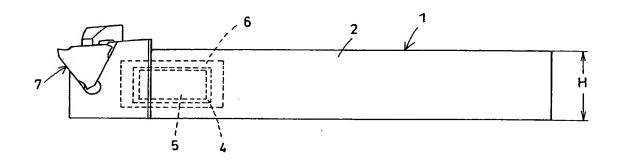


Fig. 22(c)

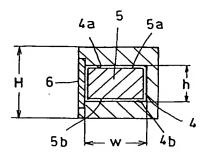


Fig.23(a)

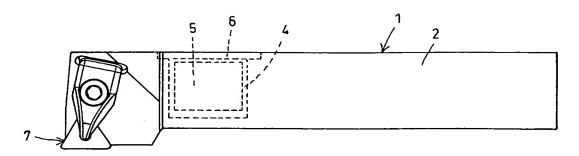


Fig.23(b)

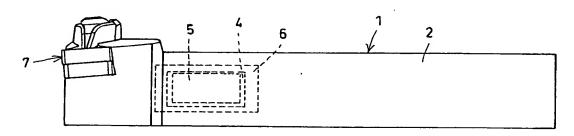


Fig.24(a)

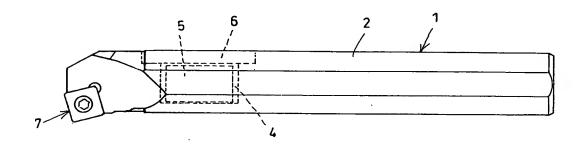


Fig. 24(b)

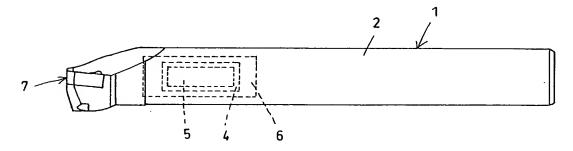


Fig. 25

	Size of po	cket	Result of cutting		
	Width (mm)	Height (mm)	Cutting conditions 1	Cutting conditions 2	
Example 1 of the invention	20	13	0	0	
Example 2 of the invention	15	10	0	. 0	
Comparative Example 1	20	20	×	×	
Comparative Example 2	20	8	0	×	
Comparative Example 3	10	10	0	×	
Comparative Example 4	Ste	el shank	×	×	

Fig.26(a)

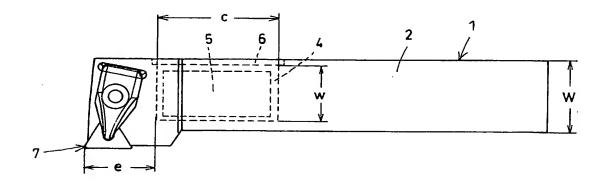


Fig.26(b)

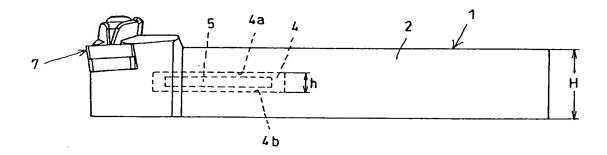


Fig. 27(a)

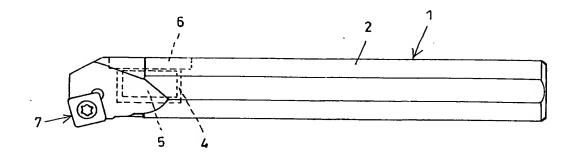


Fig. 27(b)

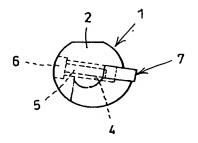


Fig. 28

	Size of	pocket	Number of impacts	
	Width (mm)	Height (mm)	until breakage	
Example 1 of the invention	22	3	1950	
Example 2 of the invention	14	5	1800	
Comparative Example 1	22	1. 2	550	
Comparative Example 2	22	10	640	
Comparative Example 3	Steel	shank	600	

Fig. 29

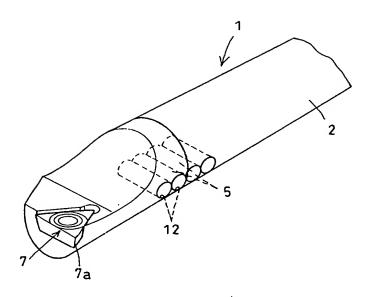


Fig.30(a)

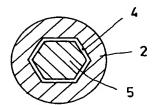


Fig.30(c)

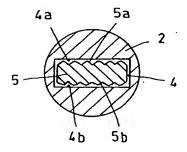


Fig.30(b)

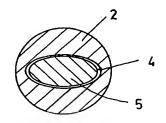


Fig. 30(d)

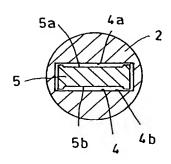


Fig.31

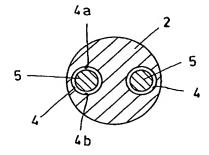


Fig.32(a)

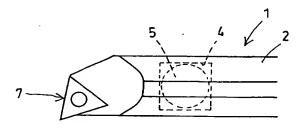


Fig.32(b)

